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<p>DEMAND FOR INFORMATION DISCLOSURE STATEMENT</p> <p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p> <p>Sheet <u>1</u> of <u>1</u></p>	<p>Complete if Known</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/782,695</td> </tr> <tr> <td>Filing Date</td> <td>February 19, 2004</td> </tr> <tr> <td>First Named Inventor</td> <td>Maria A. Glucksmann, et al.</td> </tr> <tr> <td>Group Art Unit</td> <td>1646</td> </tr> <tr> <td>Examiner Name</td> <td>Jiang, Dong</td> </tr> <tr> <td>Attorney Docket Number</td> <td>MPI04-0020NMIM</td> </tr> </table>	Application Number	10/782,695	Filing Date	February 19, 2004	First Named Inventor	Maria A. Glucksmann, et al.	Group Art Unit	1646	Examiner Name	Jiang, Dong	Attorney Docket Number	MPI04-0020NMIM
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Attorney Docket Number	MPI04-0020NMIM												

U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document (MM-DD-YYYY)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
DJ	A1	WO 01/07611	A2	GENENTECH, INC.	02-01-2001	Entire document

FOREIGN PATENT DOCUMENTS

Examiner Signature	/Dong Jiang/	Date Considered	02/27/2007

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Sheet	1	of	3
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		MP104-002OMNIM	

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DJ	A2	GU, J., et al., "BM Homo Sapiens cDNA Clone BMFAUC07 5', mRNA Sequence," Created October 19, 2000, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AV758454.	
	A3	XU, X., et al., "DCB Homo Sapiens cDNA Clone DCBALF01 5', mRNA Sequence," Created October 11, 2000, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AV714678.	
	A4	STRAUSBERG, ROBERT, "NIH_MGC_89 Homo Sapiens cDNA Clone IMAGE: 4414526 5' mRNA Sequence," Created February 12, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. BG249800.	
	A5	XU, X., et al., "DCB Homo Sapiens cDNA Clone DCBAWH06 5', mRNA Sequence," Created October 11, 2000, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AV714776.	
	A6	DIAS NETO, E., et al., "RC2-CT0320-060200-017-e11 CT0320 Homo Sapiens cDNA, mRNA Sequence," Created May 19, 2000, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AW857691.	
	A7	STRAUSBERG, ROBERT, "602667860F1 NIH_MGC_60 Homo Sapiens cDNA Clone IMAGE: 4807718 5' mRNA Sequence," Created April 24, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. BG778739.	
	A8	STRAUSBERG, ROBERT, "602571324F1 NIH_MGC_77 Homo Sapiens cDNA Clone IMAGE: 4695796 5' mRNA Sequence," Created April 2, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. BG542104.	
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↓	A11	STRAUSBERG, ROBERT, "602303992F1 NIH_MGC_88 Homo Sapiens cDNA Clone IMAGE: 4395335 5' mRNA Sequence," Created January 22, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. BF980807.	

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Substitute for form 1449B/PTO			Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Application Number	10/782,695
Sheet	2	of	Filing Date	February 19, 2004
		3	First Named Inventor	Maria A. Glucksmann, et al.
			Group Art Unit	1646
			Examiner Name	Jiang, Dong
			Attorney Docket Number	MPI04-002OMNIM

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.		T ²
DJ	A12	TOGAYACHI, A., et al., "Homo Sapiens Beta3GnT5 mRNA for Beta1, 3-N-Acetylglucosaminyltransferase 5, Complete Cds," June 22, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AB045278.		
	A13	ZHOU, D., et al., "Homo Sapiens Beta 1,3 -N-Acetylglucosaminyltransferase Lc3 Synthase mRNA, Complete Cds," August 7, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AF368169.		
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	A15	BAKER, K.P., et al., "Sequence 511 from Patent WO0107611," February 22, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AX079767.		
	A16	BAKER, K.P., et al., "Sequence 507 from Patent WO0107611," February 22, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AX079763.		
	B1	BAKER, K.P., et al., "Sequence 474 from Patent WO0107611," February 22, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2001]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AX079730.		
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	B3	JACOBS, K., et al., "EST Clone IJ1220," October 15, 1998, <i>The Derwent GENESSEQ Database</i> , Thomson Scientific, 3501 Market Street, Philadelphia, PA 19104, [retrieved on October 5, 2001], DGene Accession No. V88980.		
↓	B4	JACOBS, K., et al., "Human Secreted Expressed Sequence Tag SEQ ID No: 1663" April 20, 2000, <i>The Derwent GENESSEQ Database</i> , Thomson Scientific, 3501 Market Street, Philadelphia, PA 19104, [retrieved on October 5, 2001], DGene Accession No. A45088.		

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
DJ	B5	MATSUBARA, K., et al., "Human Gene Signature HUMGS06027" June 1, 1995, <i>The Derwent GENSEQ Database</i> , Thomson Scientific, 3501 Market Street, Philadelphia, PA 19104, [retrieved on October 5, 2001], DGene Accession No. T24045.		T ²
	B6	JACOBS, K., et al., "Human Secreted Expressed Sequence Tag SEQ ID No: 682" April 20, 2000, <i>The Derwent GENSEQ Database</i> , Thomson Scientific, 3501 Market Street, Philadelphia, PA 19104, [retrieved on October 5, 2001], DGene Accession No. A41942.		
	B7	BRETON, C., et al., "Structure/Function Studies of Glycosyltransferases," <i>Curr. Opin. Struc. Biol.</i> , Vol. 9, pp. 563-71 (1999).		
	B8	CROUT, D.H.G., et al., "Glycosidases and Glycosyl Transferases in Glycoside and Oligosaccharide Synthesis," <i>Curr. Chem. Biol.</i> , Vol. 2, pp. 98-111 (1998).		
↓	B9	DIAS NETO, E., et al., "Shotgun Sequencing of the Human Transcriptome with ORF Expressed Sequence Tags," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , Vol. 97(7), pp. 3491-6 (March 28, 2000).		

Examiner Signature	/Dong Jiang/	Date Considered	02/27/2007

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APPLICANT FACSIMILE OF FORM PTO-1449 REV 7-80		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO MNI-188	SERIAL NO. 10/782,695 69945,254
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Rachel Meyers et al.	
				FILING DATE August 31, 2001	GROUP 1646

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U. S. PATENT DOCUMENTS

EXAMINER INITIAL	TRADE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

DJ	C1	Henion, T. R. et al., "Cloning of a Mouse beta 1,3 N-Acetylglucosaminyltransferase GlcNAc(beta 1,3)Gal(beta 1,4)Glc-ceramide Synthase Gene Encoding the Key Regulator of Lacto-series Glycolipid Biosynthesis," <i>J. Biol. Chem.</i> 2001 Aug 10;276(32):30261-9
	C2	Imperiali, B. et al., "Effect of N-linked glycosylation on glycopeptide and glycoprotein structure," <i>Curr. Opin. Chem. Biol.</i> , 3:643-49 (1999)
	C3	Qasba, P.K., "Structural glycobiology section," http://www-immb.ncifcrf.gov/~qasba/golgiresident.html retrieved from the Internet on 8/29/00
	C4	Togayachi, A. et al., "Molecular cloning and characterization of UDP-GlcNAc:lactosyl-ceramide beta 1,3-N-acetylglucosaminyltransferase (beta 3Gn-T5), an essential enzyme for the expression of HNK-1 and Lewis X epitopes on glycolipids," <i>J. Biol. Chem.</i> 2001 Jun 22;276(25):22032-40
▼	C5	Watt, G.M. et al., "Enzyme-catalyzed formation of glycosidic linkages," <i>Curr. Opin. Struc. Biol.</i> , 7:652-660 (1997)
Examiner	/Dong Jiang/	Date Considered 02/27/2007

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Notice of References Cited <i>JUL 24 2006</i>		Application/Control No. 09/045,254 10/782,695	Applicant(s)/Patent Under Reexamination MEYERS ET AL.
		Examiner D. Jiang Marjunath N. Rao, Ph.D.	Art Unit 1652 1646

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-				
B	US-				
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DJ	N	WO 01/44479 A1	12-2000	PCT	Conklin et al.	—
	O					
	P					
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)		
DJ	U	Conklin et al. GenSeq Accession No. AAE04752, 9-10-01.		
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